

JAN 27 2004

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PTO/SB/97 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Application Number: 09/990,085

Filing Date: Nov 21, 2001

Certificate of Transmission under 37 CFR 1.8

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Date

Laurie Morgan  
Signature

Laurie S. Morgan

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1. Fee Transmittal
2. Response To Office Action Dated December 10, 2003

Total pages including cover sheet: 38

(703) 872-9306

MS1-1031US

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PTO/SB/17 (10-03)

Approved for use through 07/31/2006. OMB 0951-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**FEE TRANSMITTAL  
for FY 2004**

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT**

(\$) 348.00

**Complete if Known**

Application Number	09/990,085
Filing Date	Nov 21, 2001
First Named Inventor	Mech
Examiner Name	ARNOLD, ADAM
Art Unit	2671
Attorney Docket No.	MS1-1031US

**METHOD OF PAYMENT (check all that apply)**☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☒ Deposit Account:Deposit  
Account  
Number  
Deposit  
Account  
Name

12-0769

Lee &amp; Hayes, PLLC

The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments☒ Charge any additional fee(s) or any underpayment of fee(s)☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001 770	2001 385	Utility filing fee	
1002 340	2002 170	Design filing fee	
1003 530	2003 265	Plant filing fee	
1004 770	2004 385	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	
<b>SUBTOTAL (1)</b>			<b>(\$) 0.00</b>

**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

Total Claims 29  $\times$  5 = 145  $\times$  18 = 2610

Independent Claims 7  $\times$  3 = 21  $\times$  86 = 1806

Multiple Dependent 4  $\times$  145 = 580

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1202 18	2202 9	Claims in excess of 20	
1201 86	2201 43	Independent claims in excess of 3	
1203 290	2203 145	Multiple dependent claim, if not paid	
1204 86	2204 43	** Reissue independent claims over original patent	
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent	
<b>SUBTOTAL (2)</b>			<b>(\$) 348.00</b>

\*\*or number previously paid, if greater; For Reissues, see above

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for ex parte reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1261 110	2251 55	Extension for reply within first month	
1252 420	2252 210	Extension for reply within second month	
1253 950	2253 475	Extension for reply within third month	
1254 1,480	2254 740	Extension for reply within fourth month	
1255 2,010	2255 1,005	Extension for reply within fifth month	
1401 330	2401 165	Notice of Appeal	
1402 330	2402 165	Filing a brief in support of an appeal	
1403 290	2403 145	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,330	2453 665	Petition to revive - unintentional	
1501 1,330	2501 665	Utility issue fee (or reissue)	
1502 480	2502 240	Design issue fee	
1503 640	2503 320	Plant issue fee	
1460 130	1480 130	Petitions to the Commissioner	
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)	
1806 180	1806 180	Submission of Information Disclosure Stmt	
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	
1809 770	2809 385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 770	2810 385	For each additional invention to be examined (37 CFR 1.129(b))	
1801 770	2801 385	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

**SUBTOTAL (3)** (\$) 0.00**SUBMITTED BY**

Name (Print/Type)	Frederick M. Fliegel	Registration No. (Attorney/Agent)	36,138	Telephone	(509) 324-9256
Signature		Date	Jan 27, 2004		

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This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.

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JAN 27 2004

#7  
Amend A  
1-30  
OFFICIAL

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application, Serial No. ....09/990,085  
Filing Date .....October 21, 2001  
Inventor..... Radomir Mech  
Group Art Unit .....2697  
Examiner ..... Zimmerman, Mark E.  
Attorney's Docket No. .... MS1-1031US  
Confirmation No. ....1282  
Title: Rendering Volumetric Fog and Other Gaseous Phenomena

**RESPONSE TO OFFICE ACTION DATED DECEMBER 10, 2003**

To: Commissioner for Patents,  
PO Box 1450  
Alexandria, Virginia 22313-1450

From: Frederick M. Fliegel (Tel. 509-324-9256 x239; Fax 509-323-8979)  
Customer No. 22801

**Amendments to the Specification begin on page 2.**

**Amendments to the Drawing begin on page 12.**

**Amendments to the Claims begin on page 13.**

**New Claims begin on page 19.**

**Remarks begin on page 21.**

**Response to Rejections Under 35 U.S.C. §112 begins on page 22.**

**Traverse of Double Patenting Rejections begins on page 23.**

**Traverse of Rejections Under 35 U.S.C. §102 begins on page 27.**

**Traverse of Rejections Under 35 U.S.C. §103 begins on page 33.**